

ANSWER KEY TO WORKBOOK-1

Stoichiometry-I

Level – 1		DTS 1 - 5
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	D	C	A	B	C	D	B	D	D	A	C	D	A	D
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	A	A	C	D	A	A	C	C	B	C	A	C	A	A
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
C	B	C	D	B	D	B	C	A	D	A	B	D	D	B
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
D	C	A	D	B	C	D	C	A	C	B	D	B	A	ACD
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
B	B	C	A	A	D	C	C	B	A	C	A	A	C	A

Level – 2		DTS 6 - 10
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76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
B	B	C	B	A	B	A	D	A	A	A	D	A	D	D
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
A	B	D	B	C	B	A	C	D	D	A	C	C	B	B
106	107	108	109	110	111	112	113	114	115	116	117		118	
B	D	A	D	B	D	C	A	A	A	D	C		B	
119			120		121		122		123		124		125	
A			C		B		D		C		D		C	

Numerical Value Type		DTS 11
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126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
5	4	8	7	3	3	3	2	2	5	4	8	4	5	2

JEE Main (Archive)		DTS 1 – 2
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	A	B	A	A	A	C	B	C	C	B	B	C	C	D
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	C	D	C	B	D	A	B	B	D	B	A	A	B	C
31	32	33												
A	B	D												

JEE Advanced (Archive)		DTS 1 – 2
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1	2	3	4	5	6	7	8	9
20%, 80%	A	A	A	A	Isotopic Existence	0.473	6.023×10^{24}	C-12 isotope
10					11	12	13	14 15
(a) $V_{CO_2} = 0.6L$, $V_{CO} = 0.4L$ (b) 24gm/mol					0.4	D	(i) 37.92 (ii) 0.065 (iii) 7.73m	A D
16	17	18				19	20	
(i) 0.556 (ii) 0.0099	10.42	$Pb(NO_3)_2 = 3.3g$, $NaNO_3 = 1.7g$				4.14g	(i) 0.25M (ii) 0.251m (iii) $\chi_{Na_2SO_4} = 0.0045$	
21	22	23	24	25	26	27	28	29 30
$70.68 \times 10^6 g$	D	D	A	A	55.56	C	8	8 9